



Federico Grassi, M.D.



UNIVERSITY OF INSUBRIA



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Contact data

Full Professor of Orthopedics

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Biography

Born in Milano (Italy) on April 19, 1961
1979-1986: Medical School and Graduation cum laude at the University of Pavia (Italy)
1987-1988: Medical Officer in the Italian Army
1986-1991: Resident in Orthopedics at the University of Pavia (Italy)
1990: passed ECFMG examination(permanent)
1992: Shoulder Fellowship with Dr. Charles A. Rockwood, Jr., M.D., at the University of Texas in San Antonio (U.S.A.)
1993- : Attending Orthopedic Surgeon at the Ospedale di Circolo, Varese (Italy).

Qualifications and awards

1990: grant from the Hospital of Pavia (Italy) for a research project in the field of bone grafts and Osteoinduction
1997: best paper award, Italian Society for Shoulder and Elbow Surgery
1998: best poster award, Italian Society for Shoulder and Elbow Surgery

Scientific Affiliations:

1989: Full Member, SIOT (Italian Society of Orthopaedics and Traumatology)
1994: Full Member, SICSeG (Italian Society for Shoulder and Elbow Surgery) from foundation
1994: Associate Member, SECEC-ESSSE (European Society for Surgery of the Shoulder and Elbow)
1995: Full Member, IORS (Italian Orthopaedic Research Society)
1996: Full Member, EORS (European Orthopaedic Research Society)
2001: Corresponding Member, ASES (American Shoulder and Elbow Surgeons)

Research interests

Clinical outcome studies in shoulder surgery, with particular interest in shoulder arthroplasty for both traumatic and degenerative-inflammatory conditions.

Prevention and treatment of bone and joint infections.

Factors influencing fixation of prosthetic implants to bone.

Application of tissue engineering techniques for the treatment of joint

diseases.

Biochemical changes in the synovial fluid during degenerative joint and tendon diseases.

Teaching experience and appointments

1993-1999: Assistant Professor, Dept. of Orthopedics and Trauma Sciences, University of Insubria

2000-2005: Associate Professor, Dept. of Orthopedics and Trauma Sciences, University of Insubria

2005- : Professor, Dept. of Orthopedics and Trauma Sciences, University of Insubria

Faculty member of the following residency programs: Orthopedics and Trauma Sciences, Sport Medicine, Physical Therapy and Rehabilitation, Neurosurgery.

Representative publications

1 Rockwood C.A., Grassi F.A.: "Shoulder instability in throwing athletes". *Journal of Sports Traumatology and Related Research*, 14: 1-9, 1992 (IT).

2 Grassi F.A., Lupo R., Finardi E.: "Radiographic evaluation of the shoulder". *Minerva Ortopedica e Traumatologica*, 43: 589-599, 1992 (IT).

3 Groh G.I., Chun J.M., Grassi F., Rockwood C.A.: "Loss of deltoid following shoulder operations: an operative disaster". *Orthopaedic Transactions*, 17: 185, 1993.

4 Grassi F.A., Lupo R., Mora R., Soldini A.: "Surgical treatment of anterior shoulder instability with capsulo-tendinous shift". *Italian Journal of Orthopaedics and Traumatology*, 21: 29-38, 1995 (IT).

5 Grassi F.A., Rolla P., Migliavacca M., Giughello A., Pazzaglia U.E., Cherubino P.: "Shoulder arthroplasty: indications and clinical evaluation of the preliminary results". *Minerva Ortopedica e Traumatologica*, 48:147-149, 1997 (IT).

6 Rockwood C.A., Groh G.I., Wirth M.A., Grassi F.A.: "Resection arthroplasty of the sternoclavicular joint". *Journal of Bone and Joint Surgery*, 79A:387-394, 1997.

7 Grassi F.A., Lodi M., Teli M.: "Bipolar dislocation of the clavicle. Case report and literature review". *Italian Journal of Orthopaedics and Traumatology*, 23:237-242, 1997 (IT).

8 Grassi F.A., Rolla P., Castelli C., Casali M., Giughello A., Cherubino P.: "Indications for surgical treatment of proximal humeral fractures". *Minerva Ortopedica e Traumatologica*, 49:177-181, 1998 (IT).

9 Castelli C., Grassi F.A.: "Shoulder instability". *Wichtig Ed.*, Milano, 1995 (IT).

10 Grassi F.A., Bassani R., Tovaglieri I., Pazzaglia U.E.: "In vitro

elution of gentamicin from acrylic cement in function of antibiotic concentration in the mixture ". *Minerva Ortopedica e Traumatologica*, 49:345-349,1998 (IT).

11 Grassi F.A., Bassani R., D'Angelo F., Pazzaglia U.E.: "The effect of excipient addition on the antibiotic elution from bone cement. An in vitro study". *Journal of Bone and Joint Surgery*, 81B (Suppl. 1):64-65, 1999.

12 D'Angelo F., Castelli C., Grassi F.A., Borromeo U., Cherubino P.: "Our experience in the treatment of infected hip arthroplasties". *Minerva Ortopedica e Traumatologica*, 50:19-23, 1999 (IT).

13 D'Angelo F., Grassi F.A., Zatti G.: "Biochemical and morphological changes induced by trauma, ligamentous lesion and bioabsorbable materials on the articular cartilage of the knee. An experimental study on the rabbit". *Hepato-Gastroenterology*, 47 (Suppl.1): 181, 2000.

14 Grassi F.A., Tajana M.S.: "Shoulder hemiarthroplasty for the treatment of proximal humeral fractures". *Hepato-Gastroenterology*, 47 (Suppl.1): 182, 2000.

15 Periti P., Mini E., Grassi F., Cherubino P.: "Antimicrobial prophylaxis of surgical infections in orthopaedics." *Journal of Chemotherapy*, 12 (Suppl.2): 28-38, 2000.

16 Teli M. , Grassi F.A., Montoli C., Moalli S., Pazzaglia U.E.: "The Mitchell bunionectomy: a prospective study of 60 consecutive cases utilizing single K-wire fixation". *Journal of Foot and Ankle Surgery*, 40:144-151, 2001.

17 Grassi F.A., Tajana M.S., D'Angelo F.: "Management of midclavicular fractures: comparison between nonoperative treatment and open intramedullary fixation in 80 patients". *Journal of Trauma*, 50:1096-1100, 2001.

18 Mini E., Grassi F., Cherubino P., Nobili S., Periti P.: "Preliminary results of a survey on the use of antimicrobial agents as prophylaxis in orthopedic surgery." *Journal of Chemotherapy*, 13 (Spec n.1):73-9, 2001.

19 Ronga M., Grassi F.A., Bulgheroni P., Cherubino P.: "Treatment of chondral defects of the ankle with Matrix-induced Autologous Chondrocyte Implantation (MACI)". *Mediterranean Journal of Surgery and Medicine*, 10:7-12, 2002.

20 Grassi F.A., Tajana M.S.: "Data normalization in the Constant-Murley score for the shoulder: a study on 563 healthy individuals ". *La Chirurgia degli Organi di Movimento*, 88:65-73, 2003 (IT).

21 Ronga M., Bulgheroni P., Manelli A., Genovese E., Grassi F., Cherubino P.: "Short-term evaluation of collagen meniscus implants by MRI and morphological analysis". *Journal of Orthopaedics and Traumatology*, 4:5-10, 2003.

22 Grassi F.A., Tajana M.S.: "Causes and frequency of postoperative

arthrosis in shoulder instability ". Giornale Italiano di Ortopedia e Traumatologia, 29 (Suppl. 2): S81-85, 2003 (IT).

23 Grassi F.A., Ronga M., Cherubino P.: "Implantación de condrocitos autólogos en un almacén colágeno". In "Biomateriales, trasplantes e ingeniería tisular ed cirugía ortopédica y traumatología", Ed. Mapfre, Madrid 2003, pp. 293-302 (ES).

24 Ronga M., Grassi F.A., Bulgheroni P.: " Arthroscopic autologous chondrocyte implantation for the treatment of a chondral defect in the tibial plateau of the knee". Arthroscopy, 20: 79-84, 2004.

Clinical interests

Clinical practice consists of general orthopedic care as well as a special interest in shoulders.

Reconstructive surgery of the shoulder, including the management of arthritis, dislocations, rotator cuff tears, and failed shoulder surgery. Common procedures include total shoulder replacement (both unconstrained and reversed), open and arthroscopic Bankart repair, arthroscopic rotator cuff repair, revision surgery for failed reconstructions, trauma.

Operative fixation of fractures of the upper and lower extremity: common surgical procedures include standard open reduction and internal osteosynthesis techniques, minimally invasive stabilization methods, joint replacement for periarticular fractures.